

US DEPARTMENT OF AGRICULTURE
FOREST SERVICE



Northeastern Area
State & Private Forestry
DIVISION OF FOREST PEST CONTROL

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AERIAL SURVEY OF JACK PINE BUDWORM
DEFOLIATION ON THE OTTAWA NATIONAL FOREST

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INTRODUCTION

Jack pine budworm, Choristoneura pinus pinus Freeman, defoliation on the Ottawa National Forest has occurred sporadically since 1936. The current outbreak began in 1966 on the Baraga Plains and persisted for three years. Last year budworm defoliation was found in the Pori Area and Connors Lookout Area.

METHODS

An aerial survey was flown August 12, 1969, in the Forest Service Aero-commander. Flights were in an east-west direction; in parallel lines 6 miles apart; 1000 feet above the ground; at 100 m.p.h. Defoliation was classed as follows:

None - no visible defoliation

Light - browning barely visible

Moderate - browning obvious, but green foliage predominates

RESULTS

Jack pine budworm defoliation has declined considerably from last year. Three small areas of light defoliation were observed (see map). Moderate to heavy defoliation occurred in these areas in 1968.

Approximately 2000 acres in T44N, R39W, had moderate defoliation. This area of defoliation is the result of the northward spread of the Conover, Wisconsin, outbreak.



OTTAWA NATIONAL FOREST

